

1 IN THE CLAIMS

2 Please cancel claims 1-30.

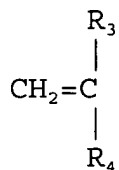
3  
4 Please add the following new claims:

5  
6 --31. An improved artificial nail composition comprising:

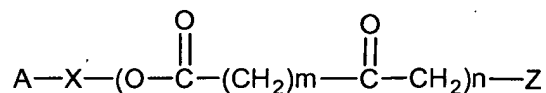
E\ 7 (a) from about 0.1-98.5% by weight of at least one  
8 multicarbonyl-vinyl containing monomer; and

9 (b) from about 5-98% by weight of at least one ethylenically  
10 unsaturated monomer.

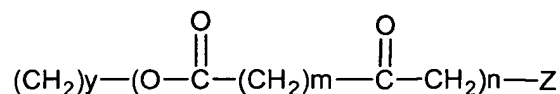
32. An improved artificial nail composition according to claim  
31, wherein said multicarbonyl-vinyl containing monomer has the  
formula:



wherein  $\text{R}_3$  is H, a  $\text{C}_{1-30}$  straight or branched chain alkyl, aryl,  
aralkyl; and  $\text{R}_4$  is



or



wherein A =



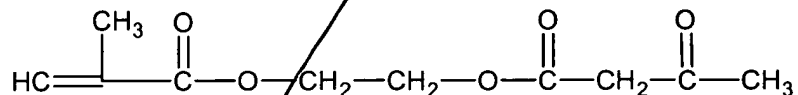
or,



X =  $\text{C}_{1-30}$  straight or branched chain alkyl, m is 1 to 5, n is 1 to  
30, y is 0 to 50; and z = H or a  $\text{C}_{1-30}$  straight or branched chain

1 alkyl.

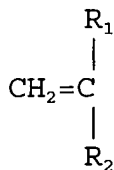
2  
3 33. An improved artificial nail composition according to claim  
4 31, wherein said multicarbonyl-vinyl containing monomer has the  
5 formula:



9 34. An improved artificial nail composition according to claim  
10 31, said composition further comprising from about 0.001-5% by  
11 weight of a polymerization accelerator.

12  
13 35. An improved artificial nail composition according to claim  
14 34, wherein said polymerization accelerator is selected from the  
15 group consisting of aromatic tertiary amines and aliphatic  
16 tertiary amines.

36. An improved artificial nail composition according to claim  
31, wherein said ethylenically unsaturated monomer has the  
formula:

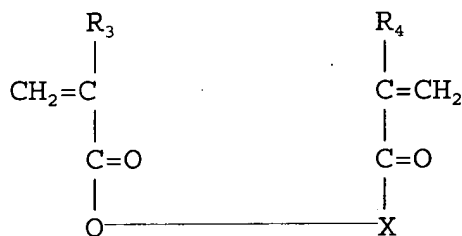


wherein  $R_1$  is H, a  $C_{1-30}$  straight or branched chain alkyl, aryl,  
aralkyl;  $R_2$  is a pyrrolidone, or a substituted or unsubstituted  
aromatic, alicyclic, or bicyclic ring where the substituents are  
 $C_{1-30}$  straight or branched chain alkyl, or COOM wherein M is H, a  
 $C_{1-30}$  straight or branched chain alkyl, pyrrolidone, or a  
substituted or unsubstituted aromatic, alicyclic, or bicyclic  
ring where the substituents are  $C_{1-30}$  straight or branched chain  
alkyl which may be substituted with one or more hydroxyl groups,  
or  $[(CH_2)_mO]_nH$  wherein m is 1-20, and n is 1-200.

37. An improved artificial nail composition according to claim  
31, wherein said ethylenically unsaturated monomer comprises from  
about 50-98.5% by weight of a methacrylate monomer and from about  
5-20% by weight of a hydroxyalkyl methacrylate monomer.

El confd

38. An improved artificial nail composition according to claim 31, wherein said ethylenically unsaturated monomer is a difunctional monomer having the formula:



wherein  $R_3$  and  $R_4$  are each independently H, a  $C_{1-30}$  straight or branch chain alkyl, aryl, or aralkyl; and X is  $[(CH_2)_xO_y]_z$  wherein x is 1-20, and y is 1-20, and z is 1-100.

39. An improved artificial nail composition according to claim 31, wherein said ethylenically unsaturated monomer is selected from the group consisting of trifunctional acrylates, trifunctional methacrylates, polyfunctional acrylates and polyfunctional methacrylates.

40. An improved artificial nail composition according to claim 31, said composition further comprising from about 0.001-5% by weight of a plasticizer.

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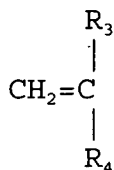
41. An improved artificial nail composition according to claim  
40, wherein said plasticizer is selected from the group  
consisting of esters, low volatility solvents, nonionic organic  
surfactants and silicones.

42. An improved artificial nail composition according to claim  
31, said composition further comprising a component selected from  
the group consisting of UV absorbers and polymerization  
regulators.

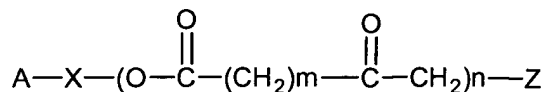
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43. An improved artificial nail composition comprising:

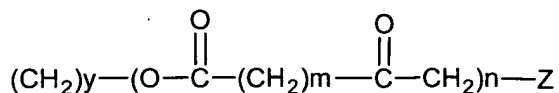
(a)



wherein R<sub>4</sub> is



or



wherein A =



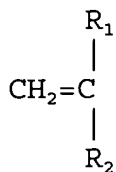
or,



X = C<sub>1-30</sub> straight or branched chain alkyl, m is 1 to 5, n is 1 to 30, y is 0 to 50; and z = H or a C<sub>1-30</sub> straight or branched chain alkyl; and

El conf'd

(b)



wherein  $R_1$  is H, a  $C_{1-30}$  straight or branched chain alkyl, aryl, aralkyl;  $R_2$  is a pyrrolidone, or a substituted or unsubstituted aromatic, alicyclic, or bicyclic ring where the substituents are  $C_{1-30}$  straight or branched chain alkyl, or COOM wherein M is H, a  $C_{1-30}$  straight or branched chain alkyl, pyrrolidone, or a substituted or unsubstituted aromatic, alicyclic, or bicyclic ring where the substituents are  $C_{1-30}$  straight or branched chain alkyl which may be substituted with one or more hydroxyl groups, or  $[(CH_2)_mO]_nH$  wherein m is 1-20, and n is 1-200.

44. An improved artificial nail composition according to claim 43, said composition further comprising from about 0.001-5% by weight of a polymerization accelerator.

45. An improved artificial nail composition according to claim 44, wherein said polymerization accelerator is selected from the group consisting of aromatic tertiary amines and aliphatic tertiary amines.



El cont'd

1 46. An improved artificial nail composition according to claim  
2 43, said composition further comprising from about 0.001-5% by  
3 weight of a plasticizer.  
4

5 47. An improved artificial nail composition according to claim  
6 43, wherein said plasticizer is selected from the group  
7 consisting of esters, low volatility solvents, nonionic organic  
8 surfactants and silicones.  
9

10 48. An improved artificial nail composition according to claim  
11 43, said composition further comprising a component selected from  
12 the group consisting of UV absorbers and polymerization  
13 regulators.--  
14

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